

Title (en)  
Laminated film comprising polymer foils which are metallised on both sides and their use as high barrier films in vacuum insulation panels

Title (de)  
Folienlaminat aus beidseitig metallisierten Polymerfolien sowie deren Verwendung als Hochbarrierefolie in Vakuumisolierpaneelen

Title (fr)  
Feuilles laminées comprenant des feuilles polymériques métallisées sur leurs deux faces et leur utilisation comme feuilles barrières dans des panneaux isolants sous vide

Publication  
**EP 1157823 A3 20020220 (DE)**

Application  
**EP 01111129 A 20010509**

Priority  
DE 10025305 A 20000522

Abstract (en)  
[origin: EP1157823A2] A multilayer laminate film (I) comprises (A) a film coated on one face with a vapor coating of aluminum or silicon oxide or a Group 2 or 3 metal oxide. (B) a film coated on both faces with a vapor coating of aluminum or silicon oxide or a Group 2 or 3 metal oxide. (C) a heat sealing layer.

IPC 1-7  
**B32B 27/08**; **F16L 59/00**; **E04B 1/80**; **B32B 27/16**; **F16L 59/02**

IPC 8 full level  
**B32B 9/00** (2006.01); **B32B 15/08** (2006.01); **B32B 27/08** (2006.01); **C23C 14/08** (2006.01); **E04B 1/80** (2006.01); **E04B 1/90** (2006.01); **F16L 59/02** (2006.01)

CPC (source: EP US)  
**B32B 27/08** (2013.01 - EP US); **E04B 1/803** (2013.01 - EP US); **F16L 59/02** (2013.01 - EP US); **F16L 59/065** (2013.01 - EP US); **Y02A 30/242** (2018.01 - EP US); **Y02B 80/10** (2013.01 - EP US); **Y10T 428/24868** (2015.01 - EP US); **Y10T 428/265** (2015.01 - EP US); **Y10T 428/31598** (2015.04 - EP US); **Y10T 428/31667** (2015.04 - EP US)

Citation (search report)

- [X] DE 29613847 U1 19960926 - SCHOELLER & HOESCH PAPIERFAB [DE]
- [A] EP 0885919 A1 19981223 - TORAY PLASTICS EUROP SA [FR]
- [A] DE 19720313 A1 19981119 - WOLFF WALSRÖDE AG [DE]
- [A] GB 2286234 A 19950809 - ICI PLC [GB]
- [X] DATABASE WPI Section Ch Week 199150, Derwent World Patents Index; Class A92, AN 1991-365057, XP002185868

Cited by  
EP1818170A1; EP2119841A3; EP1190845A1

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